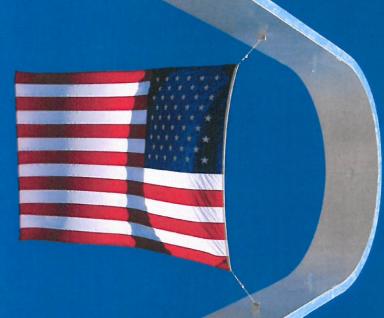
ADOPTED BUDGET CAPITAL FUNDS 2020-2021



Joseph J. Solomon Mayor City of Warwick



CAPITAL IMPROVEMENTS PROGRAM AND BUDGET

Sixty years ago, the Department of City Plan transmitted the first Capital Improvements Program and Budget as required by Article V (11) of the City Charter to the Office of the Mayor and to the City Council.

A Capital Improvements Program

program. There must be a yearly re-appraisal of the changing needs of the community and the opportunity to adjust these changes in context of the community's fiscal ability to meet them during a five-year program period. Obviously, such a program cannot be a static priority ratings for capital improvements. A Capital Improvements Program is, in essence, a listing of the priorities of those vitally necessary items of the community within the

maintain, upgrade or replace public infrastructure and public service providing facilities. five years beyond the current fiscal year is required to forecast where the City believes it will face future demands and growth and allow In order to do this type of scheduling of capital improvements, a longer period than simply one year is required. A period of at least for careful planning and management of capital and infrastructure assets. Capital improvements are projects with long, useful lives that

improve services Continued investments in infrastructure and facilities are critical to support and enhance neighborhoods, stimulate the economy and Each year, the City of Warwick produces a CIP, a spending "blueprint" based upon the most current project priorities and needs.

summarizes planned or needed capital improvements existing infrastructure requires periodic rehabilitation, replacement or other improvements to protect the City's previous investments. The CIP is not intended to be an all-inclusive inventory of the City's capital needs for the upcoming five years. It is a document that priorities must be adjusted. New construction may be required to accommodate increased demand or replace aging facilities while Planning for capital improvements is an ongoing process. As the City's infrastructure ages and as needs change, capital programs and

A Capital Improvements Budget

capital improvements and, more importantly, recommends a schedule of when bonds should be issued without impairing the credit posture of the community. A Capital Improvements Budget is the logical tool for implementation of the Capital Improvements Program. It lists the necessary

Program and Budget are: City revenue and involves projects of a relatively lasting nature. The benefits to Warwick to be derived from a Capital Improvements The Capital Improvements Budget differs from the operational budget in that it will cover items that cannot be financed through current

- Improvements will be undertaken in the order of their importance to the community.
- 2) Interrelationships of proposed improvements will be recognized and coordination made possible.
- The relationship of the proposed improvements to the operation and maintenance factors of the cost of City government will be indicated.
- 4) Financing of the cost of the proposed improvements can be more advantageously arranged.
- 5) Debt service requirements for the financing of the proposed improvements can be coordinated with the requirements of existing debt and other demands against the revenues of the City.
- 6) Ultimate economy will ensue.

The reasons for adopting the Capital Budget prior to the commencement of the fiscal year are:

- 1) Debt service requirements for the proposed improvements can be coordinated with the requirements of existing debt service requirements and other requirements of revenues of the City.
- 2) Any bond ordinances adopted during the fiscal year may require a special election with its attendant unanticipated expenditures.
- 3) If bonds are issued and payment of principal and interest is required during the fiscal year, it will require further unanticipated amounts clearly not budgeted.

ELEMENTI

City of Warwick, Rhode Island 2020-2021 Capital Improvements Program and Budget

CITY DEPARTMENTS

PROJECTS AND RECOMMENDATION

PUBLIC WORKS

PW-1 Front Garage Replacement

75 years. new City Automotive garage will cost approximately \$1,000,000 for a Clear Span 200 x 200 building. Estimated life of the project is corners has been present for several years. Additionally, the roof is in need of repair. Due to the deterioration of the current structure, a The Department of Public Works is proposing to repair the front garage. It is in need of substantial repair; spalling on the outermost

Allocation of funds:

2020-2021

Year:

2021-2022

\$500,000

Amount:

\$500,000

PW-2 Salt Barn

provide for a more cost-effective approach to storing the material. Estimated project life is 30 years. from the elements, resulting in some eroding of the pile and wasted material. Purchase of a "salt barn" for storage of materials will The Department stores a large amount of material to treat City roadways during the winter months, with no way to keep it protected

Allocation of funds:

20

Year:

2020-2021

Amount:

\$160,000

PW-3 Rear Garage Gutter System

most buildings; however, these are heavy-duty gutters and downspouts on a metal building that require lifts and special brackets. the garage and causing water damage and the potential for mold growth. Normally, the Department would be able to install gutters on Projected life span is 40 years. The rear garage has industrial/commercial gutters that are in need of replacement. These gutters prevent the water from infiltrating into

Allocation of funds:

Year:

2020-2021

Amount:

\$30,000

PW-4 Repair Alternate 1

multiple patches and repairs over the years and is in need of a total replacement. Projected life span is 20 years. Should the entire front garage not be completely replaced, there is an urgent need to repair the roof. The current facility has undergone

Allocation of funds:

K)

Year:

2020-2021

Amount:

\$60,000

PW-5 Replacement of Tree Service Truck

an aerial boom truck for tree work. The current vehicle would be used as a reserve truck; however, it is quite aged for a vehicle that is constantly in demand. A new vehicle has a projected life of 20 years. Due to the excessive amounts of calls related to trees throughout the City, this Department would benefit greatly from the purchase of

Allocation of funds:

2020-2021

Year:

Amount: \$200,000

PW-6 Replacement of Large Chipper

estimated life span of 20 years. The chipper is nearing the end of its useful life as a front line piece of equipment and is in need of replacement. New equipment has an

Allocation of funds:

Year: 202

2020-2021

Amount:

\$75,000

PW-7 Portable Large Equipment Lifts

repair division. Elevating the equipment puts less stress on the mechanic and allows for a much greater visual inspection, thereby potentially preventing costly repairs in the future. Projected life is 20 years. Nearly five years ago, the Department purchased two of these lifts, and, in doing so, increased the productivity in the heavy equipment

Allocation of funds:

2020-2021

Year:

Amount: \$60,000

PW-8 Purchase of Four Sanitation Vehicles

years. Life span is projected at 20 years. The Sanitation Division is in need of vehicle replacement. The Division is requesting to purchase four trucks over the next two fiscal

Allocation of funds:

2020-2021 2021-2022

Year:

\$600,000 \$600,000

Amount:

PW-9 Diesel Particulate Filter Cleaner

reduced. Additionally, the Department could generate revenue by reaching out to other municipalities and private businesses in need of the Department would realize payback within four to five years, and the downtime for vehicle maintenance would be dramatically this service. Twenty years is the projected life. to "re-bake" these filters is approximately \$200. Current annual cost for this service is \$5,000 to \$6,000. By purchasing the equipment, All of the large equipment located throughout the City has particulate filters, which are sent out for cleaning on a regular basis. The cost

Allocation of funds:

2020-2021

Year:

Amount: \$24,000

PW-10 Rewiring of 925 Sandy Lane Facility

and found that the previous repairs were a "patch job." Projected life of 30 years. Department, and, while this did not result in any observable damage, the wiring was deemed inadequate. The contractor traced the wires The Department of Public Works/Water Department is in need of rewiring. Recently, there was a minor electrical fire in the Water

Allocation of funds:

2020-2021

Year:

Amount: \$30,000

PW-11 Purchase of Stetco Mini Clam Catch Basin Cleaning Truck

completing this task throughout our community. Projected life span is 10 years. agreement with the state Department of Environmental Management for stormwater management. This vehicle is necessary for The Department is responsible for cleaning catch basins throughout the City and maintaining a cleaning schedule per the consent

Allocation of funds:

2020-2021

Year:

·

Amount: \$140,000

LIBRARY

L-1 Service Elevator

solid-state control unit with a life expectancy of 30 years. and installed. The second component of the repair process involves replacement of the current relay logic system, which is prone to failure, thus possibly causing passengers to become trapped. The current system is no longer in production and would be replaced by a broken, and, along with the shaft, removed. The sand needs to be removed and properly disposed of, and a new lift needs to be crafted has corroded and leaked hydraulic fluid into the sand under the concrete at the bottom of the elevator shaft. The concrete needs to be have access. The elevator is driven by a hydraulic lift, which is mounted to the base of the elevator shaft with concrete. The metal base which is used for storage and book sorting. Able-bodied staff have to use the stairs to retrieve stored items, and the handicapped don't The service elevator, which is over 40 years old, is in urgent need of repairs. It's the only mechanical access to the library's third floor,

Allocation of funds:

Year: 2020-2021

Amount: \$180,000

L-2 Carpet Replacement

but it is unlikely that full grant funding would be awarded. Expected life of new carpeting is 20 years. is more than 20 years old and is worn, soiled, and difficult to clean. The library proposes to seek a grant to cover a portion of the cost, five to six years with grant and maintenance monies. The book stacks area, which comprises a large part of the facility, has carpet that The central library on Sandy Lane is visited by almost 1,200 patrons each day. Most of the public areas have been carpeted over the past

Allocation of funds:

Year:

2021-2022

Amount:

\$100,000

L-3 HVAC Replacement

The central library's HVAC units consist of two boilers and 11 rooftop heating and cooling units, controlled by a computerized system.

The current HVAC equipment was installed in 1997 and is beyond its life expectancy; it is expensive to maintain, parts are difficult to

locate, and the computer controller is antiquated and proprietary. Heating and cooling in half of the building can only be on or off; there

are no setbacks. While the system is set to go off at night and on in the morning, it requires manual intervention on very cold nights to

prevent frozen pipes. The system is not energy efficient and is problematic. A new system would service the library for an estimated 25

years.

The library proposes that funding for the HVAC replacement could come from a loan from the RI Infrastructure Bank, which would be

repaid by the library and would not increase the annual budget, or a bond issue. The project would also be eligible for energy credits.

Either funding option would require approval from the City Administration.

Allocation of funds:

Year: 2

2022-2023

Amount:

\$859,000

Page 18 of 67

FIRE DEPARTMENT

F-1 Apparatus Replacement

5, 2, 1, 10 and 3; Rescues 1, 3, 2, and 4; and Ladders 1 and 2. forecasted repair costs, engine hours and mileage are some of the considerations. Apparatus in need of replacement includes Engines 8, vehicles over time. Many factors are considered when determining fire apparatus replacement. The age of the vehicle, its true condition, Many of the Department's vehicles and apparatus are in need of replacement due to age. The Department proposes replacing these

Allocation of funds:

Amount:	Year:
\$1,000,000	2020-2021
\$750,000	2021-2022
\$750,000	2022-2023
\$750,000	2023-2024
\$1,300,000	2024-2025

F-2 Fire Station Site and Building Improvements

roof repairs and the like. and for Stations 2 and 1 in FY23. Improvements would include new windows, updated LED lights, furnace replacement, ramp paving, stations, which were constructed in the 1970s. Repairs are proposed for Stations 4, 6, and 9 in FY21, for Stations 8, 5, and 3 in FY22, Many of the Department's facilities are aging and in need of updating. The lighting is outdated, and many have windows original to the

Allocation of funds:

Amount:	Year:
\$75,000	2020-2021
\$75,000	2021-2022
\$75,000	2022-2023
\$75,000	2023-2024
\$75,000	2024-2025

F-3 Fire Dispatch Center

Improvements are necessary to ensure the effective, timely and efficient operations of the center.

Allocation of funds:

2020-2021

Year:

2021-2022

Amount:

\$25,000

\$25,000

POLICE DEPARTMENT

P-1 Headquarter Renovations

of the facility. The locker room project is the immediate priority. locker room. Completion of this sorely-needed work would enhance the well-being and health of employees and improve the aesthetics and chairs are outdated, and everything has passed its life expectancy by decades. Paneling is original to the building's construction. Using City labor, total cost of renovations is estimated at \$25,000 and could be completed in concert with improvements to the men's would take approximately three months to complete. The Board of Public Safety Room, which is used as a professional meeting center replacement of fixtures, lockers, tiles and updated building materials. Using City labor, cost of the project is estimated at \$45,000 and for City business and a site for official recognition of appointments and promotions, has not been updated in decades. The walls, table stalls have mismatched sinks and fixtures, poor lighting and virtually non-existent ventilation. The improvement project calls for serviceable and replacement parts no longer exist. Further, the floor tiles are cracked and in poor condition and the bathroom and shower construction in 1976. The locker room's ceiling and roof are original and leak on rainy days. Many of the lockers are no longer The Warwick Police Department's men's locker room and Board of Public Safety Room have not been renovated since their original

Allocation of funds:

2020-2021

Year:

Amount:

\$70,000

SCHOOL DEPARTMENT

S-1 Pilgrim Emergency Generator Replacement

At 57 years old, it has reached the end of its useful life. With Pilgrim designated as one of the City's emergency shelters, the design and The emergency generator at Pilgrim High School is original to the building. It runs life safety equipment and heat during power outages.

replacement of the emergency generator is critical both to the school itself and the City. Estimated life of a new generator is 40 years.

Allocation of funds:

2020-2021 2021-2022

Year:

Amount: \$20,000 \$230,000

S-2 Warwick Veterans Middle School Emergency Generator Replacement

This equipment has an estimated 40-year life expectancy. be used as a shelter if there were an extended power failure in the area. This project has been approved, under the School Department's an extended power failure, the heating system would not run. In a Citywide emergency or disaster, Warwick Vets would not be able to Capital Improvement Plan, by the Rhode Island Department of Education for a minimum of a 35 percent Housing Aid Reimbursement. The emergency generator at Warwick Veteran's Memorial Middle School was sized to run life safety equipment only. In the event of

Allocation of funds:

2020-2021 2021-2022

Year:

Amount: \$20,000 \$230,000

S-3 Warwick Neck Elementary School Elevator

all levels of the building and exterior. Estimated life of the project is 40 years. and ADA regulations. To comply, an elevator will need to be installed so all students, faculty, staff, and visitors will be able to access Warwick Neck Elementary School, constructed in 1958, with additions built in 1968 and 1992, is not in compliance with Federal law

Allocation of funds:

Year: 2020-2021 2021-2022

\$32,000 \$368,000

Amount:

S-4 Warwick Career and Technical Center Emergency Generator Exhaust System

exhaust is vented directly to the exterior). The design and installation of an exhaust system would eliminate the potential for engine exhaust leaks to enter the building. This system is expected to have a 40-year life expectancy. At the Warwick Career and Technical Center, the room that houses the emergency generator lacks a proper air exhaust system (engine

Allocation of funds:

2020-2021

Year:

Amount: \$35,000

S-5 Winman Middle School Emergency Generator Replacement

new generator is 40 years. in the building and is required by law. Funds are being requested to replace the emergency power generating system. Expected life of a and is leaking, and the replacement parts are no longer available because of age. This generating system powers all life safety equipment The emergency generator at Winman Middle School is original to the building, circa 1972. The water jacket that cools the unit has failed

Allocation of funds:

2020-2021

Year:

Amount: \$250,000

Page 27 of

MANAGEMENT INFORMATION SERVICES

MIS-1 Data Backup Storage Appliance

Without adequate data back-up and retention, the City is at risk of devastating consequences stemming from either data loss due to

disaster or cyber-attack. The appliance the Management Information Services (MIS) Department currently uses to secure back-ups of

our critical operational data is no longer capable of accommodating the volume of data in an acceptable fashion. This puts the risk of

recovery in the case of a disaster or cybersecurity breach at an unacceptable level

In August of 2020, because of an insurance payment the City has been making for the past five years, MIS will be able to replace their

existing appliance at its then-current sizing for a nominal installation fee. However, because of exponential data growth over the last

five years, that will not be sufficient to handle the City's needs. It is estimated that the total cost of an adequately-sized appliance would

be approximately \$150,000 to \$175,000. It is the Department's intention to use the trade-in value of the smaller appliance that would be

due to the City and negotiate a \$100,000 or lower upgrade cost with trade-in to acquire an appliance that will sustain the City for future

years.

Allocation of funds:

Year: 2

2020-2021

Amount:

\$100,000

Page 28 of 67

MIS-2 Virtual Machine Host Server

The current processing capabilities have reached their limits. Without a replacement of the machine, system performance will begin to

denigrate until response times become unacceptable to the user base. The MIS Department currently operates the City's technical

operational infrastructure as a "virtual environment." This means that almost all of the individual servers used to host the various

applications within the City do so "virtually" on a single physical machine. This physical machine has sufficient processing power to

host all of these virtual machines in an effective manner by allowing for dynamic allocation of processing resources.

The current physical machine has reached end-of-life and requires replacement so that it can continue to adequately provide the

processing power required by the increase in system demand over the past five years.

Allocation of funds:

Year:

2020-2021

Amount:

\$40,000

PARKS & RECREATION

PR 1 - Garbage Truck Replacement

two garbage trucks, both of which are nearing the end of their useful lives. A new vehicle is critical to ensuring that refuse can be picked up at municipal recreational facilities in a timely fashion. Estimated life of up to 15 years. The Parks & Recreation Department oversees a number of municipal parks and recreational facilities. The Department presently has

Allocation of funds:

2020-2021 2

Year:

21 2021-2022

\$94,000

Amount:

\$94,000

PR 2 – Purchase of Zamboni

Estimated equipment life is up to 15 years. disruptions at the skating rinks. By adding another Zamboni to the fleet, the useful lives of the existing machines can be extended. has two Zambonis at Thayer and Warburton arenas. These have become increasingly unreliable and do not make ice of the same quality that they once did. Having a functioning Zamboni or equivalent machine allows the Department to sell more ice time and avoid service The Thayer and Warburton arenas are two of the busier properties under the purview of Parks & Recreation. The Department presently

Allocation of funds:

2020-2021 2021-2022

Year:

Amount: \$60,000 \$60,000

PR 3 – Purchase of Diesel Scag Lawnmowers

existing mowers to maintain municipal parks and fields. Estimated life of up to 15 years. parks. The Department is proposing to purchase three (3) Scag Lawnmowers Turf Tiger 61 W Kubota Diesel, to be used along with and an additional mower in FY22, the inventory of these heavily-used machines can be maintained without service disruptions in City The Parks & Recreation Department needs to establish a plan for replacing aging machines. By purchasing two (2) lawnmowers in FY21

Allocation of funds:

Year:

Amount:

\$31,756

2020-2021

2021-2022

\$15,878

PR 4 - McDermott Pool Handicapped Chair Lift

be stored while not in use and is needed in multiple locations. Estimated life is 10 to 15 years. no mounting to the pool deck. The PAL lift will support up to 300 lbs., perfect for facilities like McDermott, where the equipment can to purchase a stainless-steel and aluminum lift for maximum durability. The proposed unit is completely portable and requires absolutely lift was not property maintained and has been overcome by rust. A new lift would assure ADA compliance. The Department is proposing this end, the facility requires either a grounded lift at each pool or a lift that can be moved from one pool to the other. The current mobile McDermott Pool is required to have a chairlift that can assist people with disabilities in entering and exiting both swimming pools. To

Allocation of funds:

2020-2021

Year:

Amount: \$8,000

PR 5 – Rubber-Based Pool Paint for McDermott Pool

bottom of the pool. McDermott Pool is scheduled to be drained during the last two weeks of August 2020, during which time the this maintenance work has not been performed in at least five (5) years. Estimated life is four (4) years. Building Maintenance team will paint the interior of the pool. The work is supposed to occur approximately every three (3) years, but The bottom and sides of the large pool at McDermott Pool have not been repainted in several years, resulting in chipping paint at the

Allocation of funds:

Year: 2020-2021

Amount: \$5,000

PR 6 - Resurfacing of Small Pool

provided that the area is blocked off with plastic. Estimated life expectancy is up to 10 years. This project would best be facilitated by an outside contractor that specializes in such work. This work can be performed at any time, The state Department of Health recently inspected the McDermott facility and mandated that the small pool be drained and resurfaced.

Allocation of funds:

2020-2021

Year:

Amount: \$4,000

PR 7 - Replacement of Grating on Pool Bridge

and, for the safety of those who use the facility, the grate on the bridge should be replaced. This project has a projected life of 30 years. the original parts dating to the pool's opening in the 1970s. In recent years, the grates have become slippery and have begun cracking, lifeguards to get from one side of the pool to the other, and is also used by lifeguards to monitor swimmers. The bridge still has all of The bridge in the middle of the large pool separates the deep (lap swimming end) and shallow (family swim) ends, is often used by

Allocation of funds:

2020-2021

Year:

2021-2022

Amount:

\$7,900

\$7,900

PR 8 – Harbormaster Boat Engine Replacement or Grant Match

application for a new boat. Estimated life is up to 12 years. community. The requested funds could either refurbish the engine on Boat #4 or possibly provide the match on a successful grant The operations of the Harbormaster's Office are an important part of maintaining order and public outreach within Warwick's boating

Allocation of funds:

2020-2021

Year:

Amount:

\$25,000

PR 9 – Dehumidifiers for Thayer and Warburton Arenas

and would increase the Department's ability to rent more ice time in the summer months. The Department proposes to purchase four (4) both rinks on humid summer days. The ability to better control the humidity would provide a more pleasant experience for rink patrons industrial humidifiers, which would be mounted in the two rinks to control humidity. Estimated life is up to 15 years. The Thayer and Warburton ice arenas presently do not have a functioning system to control humidity, resulting in a fog forming over

Allocation of funds:

Year:

2020-2021

2021-2022

Amount:

\$13,000

\$13,000

ELEMENTI

APPENDIX

Total (000's)	F. State Grant G. Lease Purchase/other		B. Bonds Unissued C. Bonds Issued	A. General Operations	Funding Sources	The Denumbers for I hayer and Warburton Aren	PR-8 Harbormaster Boat Engine Replacement or C	PR-7 Replacement of Grating on Pool Bridge	PR-6 Resulfacion of Small Dool	PB-5 Bubber-Based Bool Baint for McDorney Ba	DB.4 McDernov Dool Landing Lawnmowers	PR-2 Purchase of Zamboni	PR-1Garbage Truck Replacement	Dark & Donner	MIS-2 Virtual Machine Host Server	Management Information Services	O-5 William Emergency Generator Replacem	S-5 Use - 5	S-3 Warwick Neck Elementary School Elevato	S-2 Warwick Vets Emergency Generator Repl.	S-1Pilgrim Emergency Generator Replacemer	School Person	P-1Headquarter Renovations	F-3 Fire Dispatch Center	F-2 Station Site and Building Improvements	Fire Department	L-3 HVAC Replacement	L-2 Carpet Replacement	Library L-1 Service Elevator	- with decool with Claim Caron Basin Cleaning Truck	PW-10 Rewiring of 925 Sandy Lane Facility	PW-9 Diesel Particulate Filter Cleaner	PW-8 Purchase of Four Sanitation Vehicles	PW-7 Portable Large Equipment life	PW-5 Replacement of Tree Service Truck	PW-4 Repair Alternate 1	PW-3 Rear Garage Gutter System	PW-2 Salt Bass	Department of Public Works	Department Project
2075	2251	90		1634	3975	ಚ	25	00 44	. 0	1 00	32	60	94		40	3.00	250	35	32	20	20		70	25	1,000			200	180	140	30	24	600	23	200	03	30	500		2020-2021 (000's)
						9	9	ω c	۵	۵	9	ω.	۵		u du		٠	۵	۵	a,f	<u>.</u>		ŵ	اند	e 40			9,0	ž	9	۰	e le	ه د	9	9	a 6	עם ע	۵		
	174 1541			1354	3069	ಚ		10			16	03	94						368	230	230			25	750 75			100				000	600					500		2021-2022 (000's)
						9	4	5			9	9	٥						٥٠	4	<u>a</u>			٥	ما م			ů,				10	,					w		
	750		859	75	1684																			į	750 75		859													2022-2023 (000's)
																								۵	۵ س		6													
	750			75	825																			3	750 75															2023-2024 (000°s)
																								۵	2															
2000	1300		3	75	1375																			9	1,300															2024-2025 (000's)
																								۵	ω															
00	174	90	859	3	10928			4						40			250							375 50	4			180			30 24									<u>Total</u> (000's)

ELEMENT II

A. Warwick Water Department B. Warwick Sewer Authority

DEPARTMENT PROJECTS AND RECOMMENDATION

A. WATER DEPARTMENT

W-1 Water Department Capital Improvements and Infrastructure Replacement

Department of Transportation, the Warwick Sewer Authority, National Grid, and Department of Public Works paving projects. Funding for these projects will originate from Water Department revenues. Funds will be used to replace, rehabilitate and upgrade existing transmission and distribution mains in conjunction with the state

Allocation of Funds:

Amount:	rear:
\$4,000,000 \$	2020-2021
\$4,000,000	2021-2022
\$4,000,000	2022-2023
\$4,000,000	2023-2024
\$4,000,000	2024-2025

WARWICK SEWER AUTHORITY

WSA-1 Oakland Beach Interceptor

This is a critical infrastructure project that is required to repair the existing gravity sewer line interceptor. Once repaired with an approved

technology, the useful life will be extended to 75+ years.

Allocation of funds:

2020-2021

Year:

\$1,300,000

Amount:

Page 43 of 67

WSA-2 Airport Interceptor Rehabilitation

will be extended to 75+ years. This line is approximately 5,107 linear feet of 48: gravity line and 42" gravity line constructed reinforced concrete pipe. This project is required to repair the existing gravity sewer line interceptor. Once repaired with an approved technology, the useful life

Allocation of funds:

2020-2021

Year:

Amount: \$4,500,000

WSA-3 Video Inspection Vehicle

hardware and software are no longer supported. The new vehicle's life expectancy is estimated at 12 years. required to video inspect 20 percent of the gravity sewer system each year. The WSA's current vehicle no longer functions, as the Environmental Management to perform a CMOM (Capacity, Management Operations and Maintenance) program. This program is The Warwick Sewer Authority is required by the United States Environmental Protection Agency and the Rhode Island Department of

Allocation of funds:

2020-2021

Year:

Amount: \$200,000

WSA-4 Inlet Grit Conveyor

conveyed properly. has reached its useful life and needs to be replaced as the hopper is rotted, resulting in the spoils falling to the floor and not being This piece of equipment is necessary because it conveys the removed grit spoils from the WSA process to a Dumpster for disposal. It

Allocation of Funds:

2020-2021

Year:

Amount: \$70,000

WSA-5 Maintenance Service Vehicle

replaced. Estimated life is seven (7) years. treatment facility. The current service vehicle frequently breaks down, is not reliable as an emergency service unit and needs to be The WSA's maintenance vehicles are utilized to perform routine and emergency maintenance at all remote pump stations and the

Allocation of Funds:

Year:

2020-2021

Amount:

\$50,000

WSA-6 Davidson Pump Station Emergency Standby Generator

generator's life expectancy is estimated at 20 years. the pump station to remain operational and in environmental compliance from a sanitary standpoint during a power outage. A new installed equipment is no longer manufactured. This project would allow the WSA to replace the emergency standby generator, allowing The existing generator has reached its useful life and requires frequent repairs, making it unreliable for an emergency, and some of the

Allocation of Funds:

Year:

2020-2021

Amount:

\$25,000

WSA-7 **Bayside Sewer Extension**

open cut construction. The estimated time of the project is two (2) years. Estimated useful life of the infrastructure is 50 + years. low-pressure sewer system in the Bayside area of Warwick. This would be accomplished with a combination of directional drilling and The majority of homes (70 percent) in the subject area have cesspools, causing an environmental impact. The project would install a

Allocation of Funds:

Year:

2020-20211

2021-2022

\$4,773,829

Amount:

\$11,850,000

WSA-8 Gravity Sewer Repairs

repaired with an approved technology, the useful life will be extended to 75 + years. This is a critical infrastructure project that is required to repair the existing gravity sewer line interceptors, which are aging. Once

Allocation of funds:

2021-2022

Year:

Amount: \$7,000,000

WSA-9 Scada Radio Upgrades

remote pump stations to provide critical alarms to be transmitted. Once upgraded, the useful life will be 20 years. The existing equipment is aged out and no longer supported. This radio equipment is required to maintain communication with all

Allocation of funds:

2020-2021

Year:

Amount: \$850,000

WSA-10 Biological Nutrient Reaction Tanks Air Diffuser Upgrade

of PVC. The project will replace the diffusers with new manifolds and membranes, with a projected life of 12 years. The current equipment is aged out, well past its useful life and requires extensive repairs. The existing air diffuser system is constructed

Allocation of funds:

2021-2022

Year:

Amount: \$700,000

WSA-11 Maintenance Service Vehicle

past its useful life and repairs and are difficult to complete. A new vehicle's useful life is expected at 7+ years. These vehicles are required to perform routine and emergency maintenance at all remote pump stations. The current service vehicle is

Allocation of funds:

2021-2022

Year:

Amount: \$60,000

WSA-12 Cedar Swamp HVAC and Wet Well Upgrade

12-year life, would include an odor control system for the station. The lack of this equipment results in significant odors and corrosion The HVAC no longer exists at this station, and repairs are no longer supported. These HVAC and wet well upgrades, with an estimated

to the wet well and system.

Allocation of funds:

20021-2022

Year:

Amount: \$1,000,000

WSA-13 Cedar Swamp Internal Piping and Valve Replacement

reached their useful life, and either require extensive maintenance or no longer work. This project would replace all valves and piping, for a useful life of more than 40 years. Cedar Swamp is a major interceptor pump station, and its valves and piping need to be 100 percent operational. Valves and piping have

Allocation of funds:

2022-2023

Year:

Amount: \$750,000

WSA-14 Air Ejector Station Replacements

that will transform them into a suction lift station with better reliability. Estimated life is 30+ years. Many of the air ejector stations have reached their useful life. This project will replace all seven (7) air ejector stations with new models

Allocation of funds:

2022-2023

Year:

Amount: \$1,000,000

WSA-15 Treatment Facility Sludge Dewatering System

5 percent to 24 to 29 percent, thus realizing significant transportation cost savings. The new system's estimated useful life is 20+ years. This project would involve installing a new dewatering system for sludge that will increase the amount of solids transported from 3 to

Allocation of funds:

2023-2024

Year:

Amount: \$1,400,000

WSA-16 North Final Clarifier Drive and Skimmer

skimmer to match the efficiency of the other clarifiers, for a useful life of 40+ years. The existing equipment has reached its useful life. This project would include installation of a new drive assembly with an engineered

Allocation of funds:

2023-2024

Year:

Amount: \$1,200,000

WSA-17 Additional Primary Tank

redundancy to the current system, should one of the other two tanks fail, especially during permit season. This project would involve installing a new third primary clarifier tank. This tank, with a projected life of 60+ years, would provide

Allocation of funds:

2024-2025

Year:

Amount: \$1,500,000

WSA-18 New Flushing Vactor Vehicle

established CMOM program. This is a critical piece of emergency equipment, with a projected life of 12+ years. Purchase of a new vehicle would maintain 100 percent operational efficiency for response to emergencies as well as support the

Allocation of funds:

2024-2025

Year:

Amount: \$550,000

ELEMENT II

APPENDIX

Popartment Project 1911 NO FEMERAL 1 INO GRAPH. WAILA & SEWER	JOHN JOH	ALEA	N DEWEL		2022 2022		4044 4041				
Department Project	(000's)		(000's)		(000's)		(000's)		2024-2025 (000's)		Total (000's)
Water Department											
W-1 Capital Improvements and Infrastructure Replacement	4000	Ör İss	4000	Ör İn	4000	Ör Ör	4000	Cr.	4000	a d	20000
Sewer Authority											
WSA-1 Oakland Beach Interceptor	1300	a.									130
WSA-2 Airport Interceptor Rehabilitation	4500	a.									450
WSA-3 Video Inspection Vehicle	200	tro.)()(
WSA-4 Inlet Grit Conveyor	70	tra									
WSA-5 Maintenance Service Vehicle	50	pa pa									
WSA-6 Davidson Pump Station Emergency Stanby Generator	25	tz2									
WSA-7 Bayside Sewer Extension	4774	b, c	11850	5.0							1662
WSA-8 Gravity Sewer Repairs			7000	D.							700
WSA-9 Scada Radio Upgrades			850	C.							60
WSA-10 BNR Tanks Air Diffuser Upgrade			700	c.							7.
WSA-11 Maintenance Service Vehicle			60	pa							
WSA-12 Cedar Swamp HVAC and Wet Well Upgrade			1000	Ç.							10
WSA-13 Cedar Swamp Internal Piping and Valve Replacement					750	ca.					7
WSA-14 Air Ejector Station Replacements					1000	c.					10
WSA-15 Treatment Facility Studge Dewatering System							1400	a.			die.
WSA-16 North Final Clarifier Drive and Skimmer							1200	cz.			12)
WSA-17 Additional Primary Tank									1500	o.	15(
WSA-18 New Flushing Vactor Vehicle									550	C+	3:
Total (000's)	14919		25460		5750		6600		6050		58779
Funding Sources											
. General Operations	2345		2060		2000		2000		2000		1040
B. Bonds Unissued	3819		9480								1329
C. Bonds Issued	955		2370								332
D. Future Bond E. Fed Grant	7800		11550		3750		4600		4050		31750
F. State Grant G. Lease Purchase other											
Total (000's)	14919		25460		5750		6600		6050		59770

ELEMENT III

FINANCIAL ANALYSIS

III. FINANCIAL ANALYSIS

City's current debt obligations and a review of its expenditures and revenues are as follows. The financial data upon which this Capital Improvements Program is based is discussed in the following pages. Explanation of the

EXPENDITURES

the history of City expenditures and revenues is examined in this chapter. The expenditures shown are categorized by expense type. In order to provide background information on the City of Warwick's ability to undertake additional capital improvements financing,

EXECUTIVE AND ADMINISTRATION

represents approximately 2.9% of the City budget in fiscal year 2020 the total budget. Included in executive and administration is principal and interest expenses related to debt service. Debt service This program includes the departments of Executive, Legislative and Financial Management, and represents approximately 4.7% of

liid	+ - 3 3	1		
2.20%	G/./GJ.GJJ	4.00/0	014,U41,720	TISCUL TEMI TOTO
70200	6707760	A 550/	614 641 000	Fiscal Van 3030
To come de la mason	The Part Court	Comme Commercial	The second secon	THE RESIDENCE AND ADDRESS OF THE PERSON NAMED IN COLUMN 2 IS NOT T
Percell of Kildge	Den Service	TO HOUSE OF THE PARTY OF		
		D. C.D. I		Section of the Party and the P
			Executive and	は 一日 日本 日本 日本 日本 日本 日本 日本 日本 日本 日本 日本 日本 日本
			Evantina and	

PUBLIC SAFETY

These appropriations represent approximately 14.6% of the total city budget. Public Safety program includes the departments of Police, Fire, Civil Preparedness, Building Inspection and Minimum Housing

Budget Percent of Budget Fiscal Year 2020 \$47,494,143 14.76%	Budget Percer \$47,494,143	14.61%	\$47,263,993	Fiscal Year 2021
Percen	Percen	14.76%	\$47,494,143	Fiscal Year 2020
		Percent of Budget	Budget	が 一般 一般 一般 一般 一般 一般 一般 一般 一般 一般 一般 一般 一般

SOCIAL SERVICES

Parks and Recreation, Library, and Human Services are included in this category and represent approximately 2 % of the total budget.

Fiscal Year 2021	Fiscal Year 2020	
\$6,552,135	\$7,349,008	Social Services Budget
2.03%	2.28%	

PHYSICAL RESOURCES

approximately 4.5% of the total city budget. This program consists of Planning, Community and Economic Development, and Public Works. This program represents

riscat Year 2021	Fiscal Year 2020	The second secon	
\$14,436,714	\$15,671,334	Budget	Physical Resources
4.46%	4.87%	Possess of B	S

EMPLOYEE BENEFITS

compensation are included in this category. These appropriations represent approximately 21% of the total budget. Fringe Benefits such as health care insurance, FICA, life insurance, pension expense for municipal employees, and worker's

Fiscal Year 2021	Fiscal Van 2020
\$68,284,974	Employee Benefits Budget
20.75% 21.11%	Percent of Budget

SCHOOL DEPARTMENT

approximately 53% of the total budget. The school budget represents the required budget to operate the City of Warwick's School System. This budget represents

5000 53 00%	\$171,538,668	Fiscal Year 2021
02 52.79%	\$169,885,902	Fiscal Year 2020

REVENUES

Revenues received by the City by major sources are recorded below.

In Fiscal Year 2020 the tax base as of December 31, 2018 was \$10,671,824,053. The estimated Fiscal Year 2021 tax base as of PROPERTY TAX

December 31, 2019 is \$10,648,031,005.

\$2,386 \$581 \$476	\$2,383 \$558 \$549	Commercial Tangible Motor Vehicles
\$7,206	\$7,182	Residential
(\$000,000)	(\$000,000)	
December 31, 2019	December 31, 2018	
Valuation Date	Valuation Date	
(Estimated)	FY 2020	
FY 2021		

Figures are at gross assessed valuation. Property Taxes represent approximately 75.3% of the total budget.

	Property Taxes	Percent of Budget
Fiscal Year 2020	\$239,362,719	74.38%
Fiscal Year 2021	\$238,121,885	73.61%

STATE AND FEDERAL AID

Fiscal Year 2020 Fiscal Year 2021	
\$52,320,570 \$55,186,874	State & Federal Aid
16.26% 17.06%	Percent of D. J.

LICENSES & FEES, ENTERPRISE TRANSFERS, AND ALL OTHER

These accounts represent 8.5% of the City's budgeted revenue. They include Municipal Court, billing for rescue services, enterprise transfers, hotel tax, fund balance drawdown, and interest on investments and taxes.

Fiscal Year 2021	Fig. 1 W
\$27,697,754 \$27,253,679	Licenses & Fees, Enterprise Transfers & Other
8.61% 8.46%	Percent of Budget

FUND BALANCE DRAWDOWN

Fiscal Year 2020 Fiscal Year 2021	
\$2,441,213 \$2,847,471	Fund Balance Drawdown
0.76% 0.88%	Percent of Budget